

9.6 Identify Symmetry

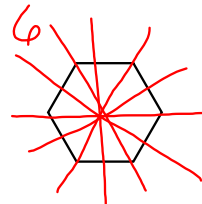
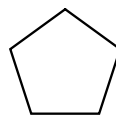
line symmetry--if a figure can be mapped onto itself by a reflection in a line (known as the line of symmetry)

rotational symmetry--if a figure can be mapped onto itself by a rotation of 180° or less about the center of the figure (known as the center of symmetry)



How many lines of symmetry do these shapes have?

5



2



6



How many lines of symmetry do these shapes have?

0



1



No



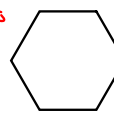
yes $360 \div 5$
 72°

Do these shapes have rotational symmetry?

yes 72°



yes 60°



yes 180°



yes 60°



Do these shapes have rotational symmetry?

yes 180°



no



A B C D E F G

H I J K L M N O

P Q R S T U V

W X Y Z

Words with symmetry

MOM COOK
HOOK

DECIDE BIB
OBOE ATOMOTA